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N.Y.

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1919

WHEATS
GRASSES ETCFOR FALL
PLANTING

HENDERSON'S CROP SPECIAL



HENDERSON'S NEW INVINCIBLE WINTER RYE

INTRODUCED
BY
PETER HENDERSON & CO.

THE EARLIEST AND
HARDEST GRAIN CROP
GROWN

This new Winter Rye is of European origin and is a great improvement on the older varieties at present in cultivation. The ear is long, broad and compact, holding on an average seventy very large, plump, heavy grains of splendid quality. The straw is of medium height, of remarkable strength, consequently it stands erect and does not easily lodge. It is quite distinct from all other sorts, the straw having, when green, a

pronounced blue bloom. Owing to its full, broad heads, strong straw with large, thick, dark foliage, a field of Invincible has an impressive appearance. We would recommend every grower of Rye to give it a trial. As the quantity of seed is limited, early orders are requested. Write for sample. See price on page 4.

For other varieties of Rye see page 4.

PETER HENDERSON AND CO.
35 AND 37 CORTLANDT ST. NEW YORK
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The Prices Quoted in this Folder are Subject to Change Without Notice

Application for U. S. License now pending. Wheat Orders subject to same.

PRICES SUBJECT TO CHANGE
WITHOUT NOTICE

HENDERSON'S

PRICES SUBJECT TO CHANGE
WITHOUT NOTICE

SUPERIOR WINTER SEED WHEAT

Pedigree Strains—Closely Graded—Free from Rye, Cheat, Smut, Garlic or Cockle

American Farmers sowing
Common Wheat are producing 15 to
18 bushels per acre

TWO FACTS

American Farmers sowing
Seed Wheat of Pedigree Strains are
producing 30 to 45 bushels per acre

It costs as much to lay down an acre of Wheat that yields only 15 bushels per acre as one that will yield from 30 to 45 bushels. The first scarcely returns the cost of the investment while the latter yields a handsome profit. In order to attain such results, sow **Henderson's Superior Seed Wheat**, which is grown especially for seed purposes, from cross-bred, select pedigree strains of undoubted superiority.

On pages 2 and 3 we offer selected re-cleaned seed Wheat from our crop of 1919, which is now ready for delivery. The prices at which the different varieties are offered are those ruling August, 1919, but they are subject to the fluctuations of the market.

Delivery will be F. O. B. New York. Bags extra. Purchaser pays transportation on Farm Seeds.

Peter Henderson & Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs or Roots they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

COLD COIN (Beardless)

The increasing demand for the seed of this very popular wheat would indicate it a most satisfactory variety over a large extent of territory. It is unusually productive, having yielded over 60 bushels per acre—while 50 and over is not unusual—and even on large acreages it seldom runs under 40 bushels per acre.

The straw is very stiff and does not lodge even on the richest land. The head is long and compactly filled with choice white grain, frequently having five kernels abreast. Sow $1\frac{1}{2}$ bushels per acre.

Price, \$4.25 per bush. of 60 lbs.; 10-bush. lots, \$4.15 per bush.

JONES' ST. LOUIS GRAND PRIZE (BEARDLESS)

This grand new Wheat has become a standard "rough and ready" variety, being equally at home on all soils, thriving on light, sandy, gravelly, clay loam or river bottom lands, and it is as nearly fly proof as it is possible for a Wheat to be. It is a strong, healthy grower, with dark, wide foliage, starting into growth among the earliest in spring. Straw medium tall, very stocky and thick walled; heads square and compactly set from base to tip; kernels short but very large and plump; color medium dark red and of good milling quality.

Mr. Jones says his field of it in northern New York was noted as the best field of Wheat in all of that section. Just as even as a floor. Every head standing erect and not a straw out of place. (See engraving.)

Price, \$4.25 bush. of 60 lbs.; 10-bush. lots, \$4.15 bush.

JONES' RED WAVE (BEARDLESS)

After several years' trial this grand Wheat has fully maintained the good opinion expressed when first sent out. Customers in all winter Wheat growing sections know that the Jones' Wheats wherever sown have made a good record, and will be pleased to hear of this fine Bald Red variety. It is a cross between early Red Clawson and an unnamed crossbreed of Russian parentage. The heads are very long and broad, filled with medium, long, large, hard, dark kernels, rich in gluten. Straw, golden; above medium height, stocky, very strong, thick walled and not liable to go down; heads slightly leaning, hence not liable to sprout in the field. This variety gave a yield of 49 bushels and 2 pounds per acre in a field, the balance of which was sown to Dawson Golden Chaff that produced only 27 bushels per acre. Sow $1\frac{1}{2}$ bushels per acre.

Price, \$4.25 bush. of 60 lbs.; 10-bush. lots, \$4.15 bush.

RURAL NEW YORKER—No. 6 (BEARDLESS)

This beardless variety is a hybrid between Rye and Armstrong Wheat, though all traces of Rye have disappeared and it now appears a handsome, beardless Wheat. It succeeds and produces heavy crops on poor, thin land, where Wheat could not be successfully or profitably grown and it also has extreme hardness to recommend it. When first raised, some years ago, the top of the culms was downy with Rye culms. This characteristic could not be fixed, so that for this variety the culms having no down were alone selected. The gold-colored straw is very thick and strong, easily supporting the heavy grain without breaking. The large amber kernels are placed four to a breast, eight breasts to a side, with long symmetrical heads having a brown chaff. One of our growers says:

"It stools as strong as any wheat I ever saw. It had a vigorous, healthy growth all the season, and stood well without lodging. It is very hardy." Sow $1\frac{1}{2}$ bushels per acre. Price, \$4.25 bush. of 60 lbs.; 10-bush. lots, \$4.15 bush.



JONES' ST. LOUIS GRAND PRIZE WHEAT

Parcel Post Zone from N. Y. City

PETER HENDERSON & CO. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs, or Roots they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

35 AND 37

PETER HENDERSON & CO., 35 AND 37
CORTLANDT ST., NEW YORK

SEND BY _____ Date _____ 1919.

State if wanted by Parcel Post, Express, Freight or Steamer.

To (Name)

P. O. Box, Street
or Rural Del'v'y

Post Office

County _____; State _____

Station or Exp. Office.....
(Only if different from P. O.)

Superintendent or Gardener.....
(That we may enter his name for Catalogues.)

We make no charge for packing or cartage of goods to any railroad station, steamship line or express office in New York City.

Farm seeds we do not deliver free—consignee pays the transportation charges. In the event of small quantities being wanted by mail, postage should be added according to Zone rates.

CLOTH BAGS we charge for, and these at cost, viz.: 1 peck, 25c.; $\frac{1}{2}$ bushel, 35c.; 1 bushel, 45c.; 2 bushel, 70c.

BURLAP BAGS 1 peck, 15c.; $\frac{1}{2}$ bushel, 20c.; 1 bushel, 25c.; 2 bushels, 35c.; 4 bushels, 55c.; 6 bushels, 75c.; 8 bushels, 90c.

No charge for bags with Lawn Grass Seeds.

SPECIAL PACKING for FOREIGN SHIPMENTS, in tin-lined cases or double sacks, charged at cost.

Money enclosed.	Amount.
Bills or Silver, (Register the letter)	
Draft or Check,	
Ex. Money Order,	
Post-Office Order.	
Total,	
(If goods are wanted by 25 per cent. of the accompany the	express, C. O. D. amount must order.)

RECORDED

and entered for following catalogues;

R.....and.....

[illegible]

PRICE'S WONDER (BEARDED)

Price's Wonder was originated by Mr. R. H. Price of Blacksburg, Va., about nine years ago, and he only sold his stock after long experimentation and trial under conditions both favorable and unfavorable, had convinced him and other authorities that in Price's Wonder he had a variety of undoubted merit. There is no doubt that it is a great addition to the bearded varieties because it is a wonderful stooler—no more than $1\frac{1}{4}$ bushels per acre need be sown—and it is a most bountiful yielder even on rough land and when sown late in the season. The heads fairly bend over with their weight of plump grain.

The straw is thick walled and very stiff, standing up remarkably well against storms, and it is of very uniform length. While we do not say Price's Wonder is entirely fly and rust-proof, we do say that so far as yet known it has not been affected. It ripens early. The grain is large, plump, dark red in color and very hard, and the chaff is white.

This is a new variety well worthy of the attention of all wheat growers.

Price, \$4.25 per bushel of 60 lbs.; 10-bush. lots, \$4.15 per bush.

GOLDEN WAVE (BEARDED)

Golden Wave Wheat is considered by many to be the best of the bearded varieties, and there is no doubt but that it is thoroughly reliable, and will do well on either rich or poor land.

Besides being a great cropper, it stools out exceptionally well and stands up under the most trying weather conditions. The stalks of Golden Wave are all long, stiff and thick walled, and all heads are about the same distance from the ground. It is this characteristic which suggested the name, "Golden Wave" which is exactly what it looks like.

Due to its thick-walled stem and extra stiffness this variety resists rust and fly better than most others, and produces uniformly good crops, yields of more than forty bushels per acre are not at all uncommon.

The heads are of great length, for a bearded variety, and often contain as many as fifty-eight grains.

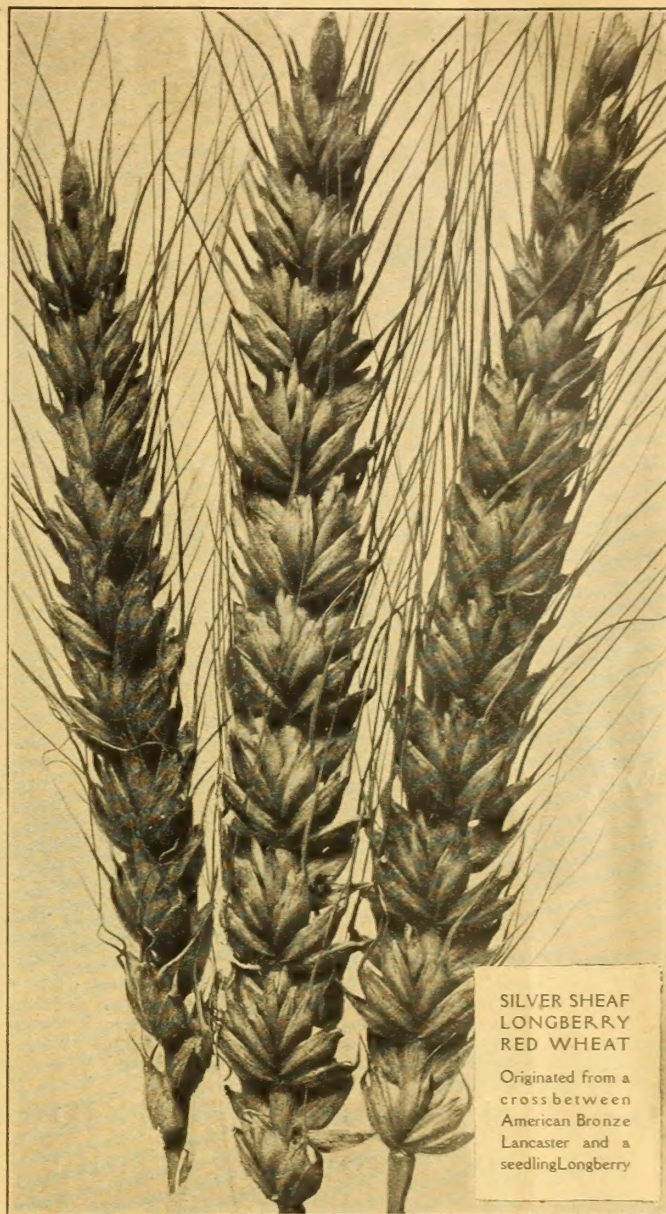
The berry is plump, red in color, quite large, and the chaff is amber-brown. Sow $1\frac{1}{4}$ bushels per acre.

Price, \$4.25 per bushel of 60 lbs.; 10 bush. lots, \$4.15 per bush.

SILVER SHEAF LONGBERRY RED (BEARDED)

This is recommended by Mr. Jones as one of his best bearded varieties.

It may be sown very late in the fall, and thrives well even under very rough conditions. It is just the wheat to sow on land, that cannot be properly prepared for wheat. It bears longer heads than any other variety, in fact as has been said by a grower "everything about it is long—long berry, long straw, very long bearded heads and the yield is also very long." It is extremely hardy, its stooling qualities equal any other, and it ripens early. Straw of light yellow color, medium tall, thick-walled and strong; head long, wide and full; chaff



SILVER SHEAF
LONGBERRY
RED WHEAT

Originated from a cross between American Bronze Lancaster and a seedling Longberry

thin and silvery-white; grain large, dark and flinty, and nearly as long as rye kernels. Very little seed is required and $1\frac{1}{2}$ bushels per acre is all you need to sow. (See engraving).

Price, \$4.25 per bushel of 60 lbs.; 10 bush. lots, \$4.15 per bush.

TRUE DWARF ESSEX RAPE PROVIDES PERFECT PASTURE AND IS GREATLY RELISHED BY ALL STOCK

There are several varieties of Rape, but care should be taken to procure the DWARF ESSEX, or English, as it is sometimes called, which does not seed the same season as sown, excepting when sown too early and the young plants are touched by frost. In northern States it should be sown from April to end of August for fall pasturing, but as it thrives best in cool weather, it should not be sown in the Southern States until September or October for winter pasture. In the latitude of New York it should be sown in April, July or August. Its fattening properties are probably twice as good as those of Clover, and for sheep the feeding value of Rape excels all other plants we know of. Even so far South as Alabama it has proved a boon to the farmer.

To secure the best results, the Rape should be sown in drills. Sow 4 lbs. per acre broadcast, 2 to 3 lbs. per acre on drills. For winter pasture. Sow 4 lbs. per acre broadcast, 2 to 3 lbs. per acre in drills. Price, 30c. per lb., \$13.00 per bushel of 50 lbs., 100 lbs., \$25.00.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Henderson's New Invincible Rye

SEE FRONT PAGE

The Hardest and Earliest Grain Crop Grown.

This new Winter Rye is of European origin and is a great improvement on the older varieties at present in cultivation. The ear is long, broad and compact, holding on an average seventy very large, plump, heavy grains of splendid quality. The straw is of medium height, of remarkable strength, consequently it stands erect and does not easily lodge. It is quite distinct from all other sorts, the straw having when green, a pronounced blue bloom. Owing to its full, broad heads, strong straw with large, thick, dark foliage, a field of Invincible has an impressive appearance.

We would recommend every grower of Rye to give it a trial. As the quantity of seed is limited, early orders are requested. Write for sample. (See engraving on front page). Price, \$4.25 per bushel of 56 lbs.; 10 bush. lots, \$4.15 per bush.

Giant Winter Rye

A remarkably heavy cropping Rye, having in fair tests outyielded many other varieties both in straw and grain. The straw is of uniform length, strong and of extraordinary stiffness. (See engraving). Price, \$4.00 per bush. of 56 lbs.; 10 bush. lots, \$3.90 per bush.

Thousandfold Winter Rye

One of the most productive sorts in cultivation; the straw is tall and strong, with long, heavy heads, and stands up well. Especially recommended where Rye is grown more for the straw than the grain. Price, \$4.00 per bush. of 56 lbs.; 10 bush. lots, \$3.90 per bush.

Winter Rye

The variety most commonly cultivated, whether sown for grain, straw or cutting green. Price, \$3.50 per bush. of 56 lbs.; 10 bush. lots, \$3.40 per bush.

HENDERSON'S NORTHERN GROWN ALFALFA SEED

ALFALFA, or LUCERNE. (*Medicago sativa*.) A Clover-like leguminous plant of great importance as a hay and forage crop, nutritious and rich in protein elements. It grows 2 to 5 feet high and sends roots, 5, 10, 20, and sometimes 30 feet into the subsoil. It needs one season to become established, after which it yields enormous crops annually for many years. 3 or 4 cuttings per season, aggregating 4 to 6 tons cured hay per acre, are harvested, according to conditions and locality. It does well on all good rich soils (except heavy clay), if well drained, or overlying a permeable subsoil; on calcareous soil it thrives especially well. Sow in the Northern States during June, July or August, 30 to 40 lbs. of seed per acre if broadcasted, or 25 to 30 lbs. if drilled. In the South sow in February or September. Price, 45c. lb.; \$24.75 per bush. of 60 lbs.; \$40.00 per 100 lbs.

CRIMSON OR SCARLET CLOVER (*TRIFOLIUM INCARNATUM*)

The most valuable plant known, for restoring the fertility of wornout soils.

All lands from which crops have been harvested during the summer and fall should be sown with Scarlet Clover for plowing under the following spring. Plowing under a good crop of Scarlet Clover is equivalent to 20 tons of stable manure per acre.

It is the cheapest source of nitrogen and has revolutionized the methods of farming in many States, has restored to profitable cultivation thousands of acres of poor land. Its value as a winter soil mulch and for green manuring for orchards cannot be overestimated.

If intended for feeding, it should always be cut while in the young stage, and never fed to stock after the crop has ceased flowering, as serious results are apt to follow the feeding of overripe Crimson Clover.

In the latitude of New York, time for sowing may extend from July 15th to September 15th, and further South up to October. The seed needs to be only lightly covered, and a good plan is to sow on fresh plowing and cover with a light harrow. Sow 15 lbs. per acre.

Choice new crop seed of highest growing quality, thoroughly re-cleaned, and free from weed seeds. Price, 30c. lb., \$15.75 per bush., \$25.00 per 100 lbs.

RED CLOVER (*TRIFOLIUM PRATENSE*)

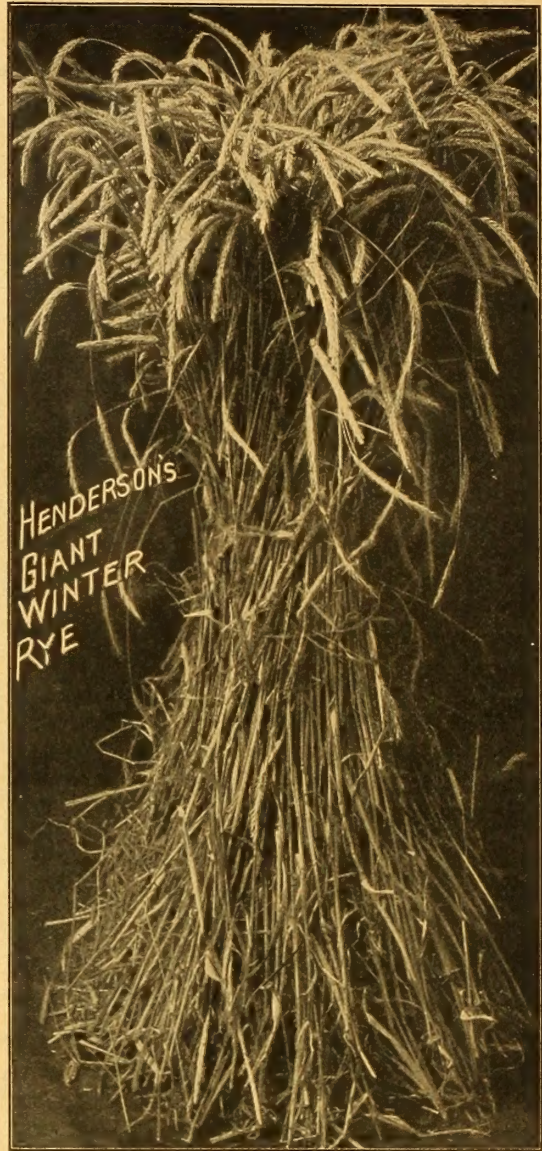
Price, (subject to change without notice) Henderson's Superior Sample (extra re-cleaned), 70c. lb., \$40.00 per bushel of 60 lbs., \$65.00 per 100 lbs.

MAMMOTH or PEA VINE RED CLOVER (*TRIFOLIUM PRATENSE PERENNE*)

Quite distinct from the common Red Clover, being of larger and coarser growth. Valuable for reclaiming exhausted lands. Sow (if alone) about 12 lbs. per acre; weight, 60 lbs. per bushel. Henderson's Superior Sample (extra re-cleaned). Price, 72c. lb., \$41.50 per bush., \$68.00 per 100 lbs.

ALSIKE OR HYBRID CLOVER (*TRIFOLIUM HYBRIDUM*)

A hybrid intermediate in growth and appearance between Red and White Clovers. It is a perennial and one of the hardest of all clovers, thriving particularly well in cool climates and stands freezing well. It is valuable for sowing with other grasses and clovers as it, forms a thick bottom, increasing the yield of hay. Sow (if alone) 8 lbs. per acre; weight, 60 lbs. per bushel. Price on application.



WHITE DUTCH CLOVER

(*TRIFOLIUM REPENS*)

A very hardy creeping variety, which accommodates itself to a great variety of soils, but grows most luxuriantly in moist ground or in wet seasons. It is valuable in mixtures for permanent pastures and lawns. Sow (if alone) 8 lbs. per acre; weight, per bushel, 60 lbs. Price on application.

SAND OR WINTER VETCH

(*VICIA VILLOSA*)

The earliest crop for cutting or plowing under in spring, being nearly a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting spring crops.

It is perfectly hardy throughout the United States, remaining green all winter, and should be sown during August and September, mixed with Rye, which serves as a support for the plants, or in spring with Oats or Barley. Sow one bushel per acre, with one half bushel of Rye or Wheat. Price on application.

Henderson's Recleaned GRASS SEEDS

FOR FALL SOWING

SPECIAL QUOTATIONS FOR LARGE QUANTITIES. PRICES SUBJECT TO VARIATION

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

	Weight per bush.	Per bush.	Per lb.	Per 100 lbs.
AWNLESS BROME GRASS. (<i>Bromus Intermiss.</i>) A new forage plant of the utmost importance, particularly in dry and Southern sections; yields enormously.	14 lbs.	Price	on Appli	cation.
BERMUDA. (<i>Cynodon Dactylon.</i>) Valuable for Southern States, withstands the heat and drought.	35 lbs.	.75		70.00
Canada Blue Grass. Useful for sowing on hard clay and poor soils.	14 lbs.	3.75	.30	25.00
Creeping Bent Grass. (<i>Agrostis Stolonifera.</i>) Excellent for lawns; succeeds well in moist situations. About 2 bushels to the acre.	20 lbs.	Price	on Appli	cation.
Crested Dog's Tail. (<i>Cynosurus Cristatus.</i>) Should enter in moderate quantity in permanent pasture mixtures and lawns.	21 lbs.	8.75	.45	40.00
ENGLISH RYE GRASS. (<i>Lolium Perenne.</i>) A valuable Grass. 2½ to 3 bushels to the acre.	24 lbs.	6.50	.30	25.00
Fine-leaved Sheep's Fescue. (<i>Festuca Ovina Tenuifolia.</i>)	14 lbs.	Price	on Appli	cation.
HARD FESCUE. (<i>Festuca Durivuscula.</i>) Dwarf, hardy grass, of great value for dry situations, indicates superior quality in hay.	12 lbs.	Price	on Appli	cation.
HUNGARIAN GRASS. (<i>Panicum Germanicum.</i>) Is a valuable annual forage plant. 1 bushel to the acre.	48 lbs.	6.00		
ITALIAN RYE GRASS. (<i>Lolium Italicum.</i>) Unequalled for producing an abundance of early spring feed, giving quick and successive growths throughout the season.	18 lbs.	5.75	.35	30.00
Johnson Grass. (<i>Sorghum Halapense.</i>) Of greatest importance for the South. Very tender and nutritious.	25 lbs.	Price	on Appli	cation.
KENTUCKY BLUE GRASS. (<i>Poa Pratensis.</i>) Very valuable for a variety of soils from moist to dry, furnishes delicious and luxuriant pasture and makes excellent hay. Fancy or double extra clean.	14 lbs.	6.00	.45	40.00
MEADOW FESCUE. (<i>Festuca Pratensis.</i>) Of great value for permanent pasture and hay, robust grower and nutritious.	22 lbs.	11.25	.55	50.00
MEADOW FOXTAIL. (<i>Alopecurus Pratensis.</i>) Resembles Timothy, but of much earlier and more rapid growth, particularly valuable for permanent pastures and hay.	7 lbs.	Price	on Appli	cation.
ORCHARD GRASS. (<i>Dactylis Glomerata.</i>) One of the most valuable of all grasses, for either grazing or mowing, of early, rapid and luxuriant growth. (See cut.)	14 lbs.	7.50	.55	50.00
Red or Creeping Fescue. (<i>Festuca Rubra.</i>) Suitable for sandy sea-coasts and dry soils.	14 lbs.	8.75	.65	60.00
RED TOP GRASS. (<i>Agrostis Vulgaris.</i>) Fancy recleaned silver seed.	32 lbs.	8.50	.30	25.00
Rhode Island Bent Grass. (<i>Agrostis Canina.</i>) A very fine variety for lawns. About 3 bushels to the acre.	14 lbs.	8.00	.60	55.00
Rough-Stalked Meadow Grass. (<i>Poa Trivialis.</i>) Valuable for pastures and meadows, particularly on damp soils.	14 lbs.	Price	on Appli	cation.
SHEEP'S FESCUE. (<i>Festuca Ovina.</i>) Excellent for uplands and dry pastures, of close, dense and nutritive growth, relished by sheep.	12 lbs.	Price	on Appli	cation.
Sweet Vernal Grass. True Perennial. (<i>Anthoxanthum Odorat.</i>) Very aromatic, giving hay a fine flavor.	10 lbs.	Price	on Appli	cation.
TALL MEADOW FESCUE. (<i>Festuca Elatior.</i>) Very early, nutritive and productive. Valuable on wet or clay soils.	10 lbs.	8.00	.60	55.00
TALL MEADOW OAT GRASS. (<i>Avena Elatior.</i>) Recommended for soiling, being rapid and luxuriant in its growth. 4 to 5 bushel per acre.	10 lbs.	5.25	.55	50.00
TIMOTHY. (<i>Phleum Pratense.</i>) We offer a particularly "choice" sample, ½ bushel per acre. Price variable.	45 lbs.	9.00	.22	18.00
Various-Leaved Fescue. (<i>Festuca Heterophylla.</i>)	14 lbs.	Price	on Appli	cation.
Wood Meadow Grass. (<i>Poa Nemoralis.</i>) Of early growth and thriving well under trees. 2 bushels to the acre.	14 lbs.	Price	on Appli	cation.

THE HENDERSON LAWN GRASS SEED

SOWN IN THE FALL, PRODUCES ENDURING TURF THAT WILL WITHSTAND SUMMER DROUGHTS

The Fall Season is Especially Favorable to the Germination and Growth of Lawn Grass Seed and the Most Beautiful Lawns in America are made by sowing at this time the

"HENDERSON LAWN GRASS SEED"

At this season the seeds have the benefit of thoroughly warmed ground and a copious rainfall, which hasten germination and enable the young grasses to become firmly established before winter sets in. Then, on the opening of spring, the grasses immediately recommence their growth, take full possession of the ground, and prevent weeds from obtaining a foothold. A lawn grown in this way will endure summer drought much better than a spring-sown lawn.

The "Henderson" Lawn Grass Seed has been thoroughly tested by country-wide use, for more than half a century.

It is the fruit of years of experience and close study of American conditions, and is undoubtedly the best for the American climate. It is composed of fine-leaved, dwarf, evergreen grasses, which produce a closely interwoven, firm, deep and elastic turf, that will maintain from year to year a covering of enduring green. Such results can only be obtained by sowing a combination of grasses, which arrive at their best during different months of the year, so that the lawn is perpetually covered with verdure. It is impossible to make a good lawn by

sowing seeds of a single variety such as Kentucky Blue Grass for example, which grows very sparsely in midsummer. Only by sowing an intelligently arranged combination of grasses, can a permanent green sward be maintained.

The "Henderson" Lawn Grass Seed is in reality as cheap as any other, notwithstanding its superior quality. For while many mixtures on the market weigh only 14 lbs. to the bushel, the "Henderson" Lawn Grass Seed weighs 20 lbs. per measured bushel, being entirely free from chaff and other foreign matter.

The quantity required for new lawns is 5 bushels per acre. For a plot 15x20, or 300 square feet, use 1 quart. For renovating old lawns, use one-fourth to one-half of above quantities.

Full instructions in every bag and package.

DELIVERED FREE IN THE U. S.

(By Mail, Express or Freight, at our option.)

30c. quart, \$1.00 for 4 quarts, \$1.75 peck, \$6.00 bush. of 20 lbs.

Send for HENDERSON'S FARMERS' MANUAL

It illustrates all the best Grasses, gives full description and much information upon FARM SEEDS of inestimable value to the farmer.

MAILED FREE



A Pennsylvania Field of HENDERSON'S
SPECIAL GRASS MIXTURE
for Hay and Permanent Pasture

The fall season is especially favorable to the growth of young grass, for at that season the seeds have the benefit of thoroughly warmed ground and a copious rainfall, which hastens germination and enables the grass to become firmly established before winter sets in. Then, on the opening of spring, the grass immediately recommences its growth and taking full possession of the ground, prevents weeds from obtaining a foothold.

Henderson's SPECIAL GRASS SEED MIXTURE for Hay and Permanent Pasture

This famous mixture has seeded thousands of acres of meadow and pasture land for progressive farmers and stock raisers in various parts of the United States, with most gratifying results. It produces wonderful Hay crops and luxuriant pasture, maintaining its cropping qualities twenty years or more. It is a well-balanced combination of a number of native and acclimated foreign Grasses and Clovers, blended and improved upon during exhaustive trials under widely varied conditions, soils and localities for several years, until practically perfect, our aim being to produce, under the extremes of the American climate of heat, drought and cold, a PERMANENT dense and deep-rooting turf that would yield year after year the maximum quantity of foliage. These Grasses are of superior quality, inviting, sweet and nourishing, whether used as hay or pasture. That we have been successful is attested by the numerous letters of praise for these special Grass mixtures that we have received from the users, and the tributes to their merits published in many of the agricultural journals. Some of these encomiums are printed in Henderson's Farmers Manual (sent free on application).

In preparing these mixtures the greatest care is exercised in selecting such varieties as are suited to the soil to be sown and are likely to realize the object in view. Therefore a description of the soil and climate, and the purpose for which sown, and if with or without a grain crop, should accompany each order. Sow 40 lbs. per acre.

Full directions for sowing enclosed in every bag.

Price (purchaser paying carriage), 35c. per lb.; 10 lbs. \$3.25; 100 lbs., \$30.00.

We also offer

HENDERSON'S SPECIAL GRASS MIXTURE FOR PERMANENT PASTURE

Supplies continuous and permanent pasturage for twenty years and more. It remains green and succulent all summer long when ordinary grazing lands are burned brown.

HENDERSON'S SPECIAL GRASS MIXTURE FOR PERMANENT HAY

An acre of Henderson's Special Grass Mixture for Permanent Hay will yield double the quantity of an acre of Timothy and Clover, and the farmer whose land is sown with a proper mixture of Permanent Grasses, requiring only an occasional top-dressing of manure or fertilizer to maintain their heavy cropping qualities avoids the expense of the yearly plowing and cultivating, necessary in rotation cropping.

HENDERSON'S RENOVATING MIXTURE FOR IMPROVING OLD PASTURES

HENDERSON'S SPECIAL GRASS MIXTURE FOR WOODLAND PASTURES

Price (purchaser paying carriage), 35c. per lb.; 10 lbs. \$3.25; 100 lbs. \$30.00. Sow 40 lbs. per acre.

REGARDING CLOVERS

Do not omit to sow Clovers with the Grasses, as they add to the yield of hay and pasture, and by their ability to collect atmospheric nitrogen and store it in the root nodules, assist the growth of the Grasses and are of considerable benefit to subsequent crops.

Mixed Permanent Clovers, on account of their greater weight, should be sown separately, but at the same time as the Grasses. This Mixed Clover comprises White, Mammoth Perennial or Cow Grass, Alsike, etc. Sow 10 lbs. per acre. Price, 70c. per lb.; 10 lbs., \$6.75; 100 lbs., \$65.00.

For more extended descriptions and testimonials see Henderson's Farmers' Manual. Sent Free on application